



February 1, 2011

Public Meeting

Planning Study for Rehabilitation or Replacement of: Powerline FRS Vineyard Road FRS Rittenhouse FRS

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District Project Manager

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Kimley-Horn Project Manager

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Meeting Purpose

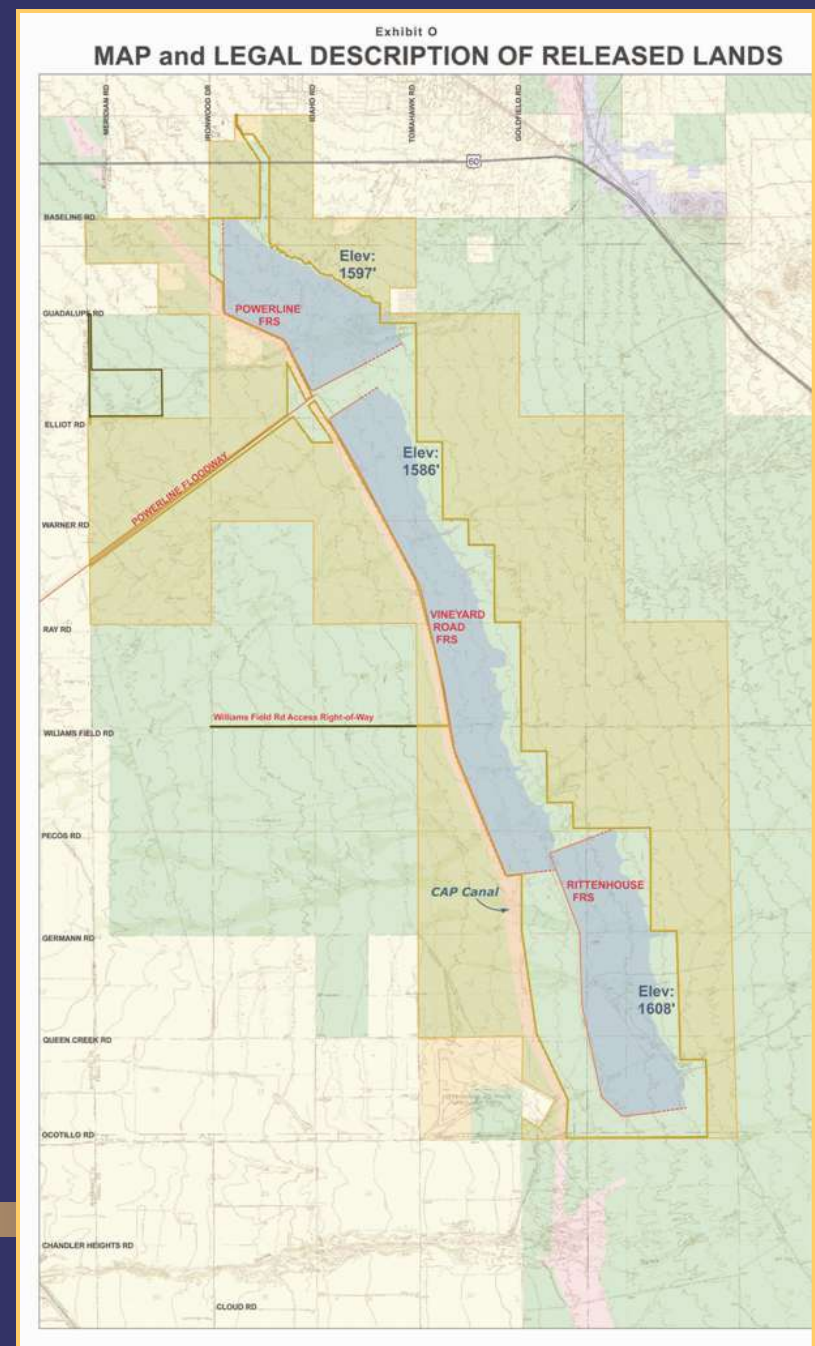
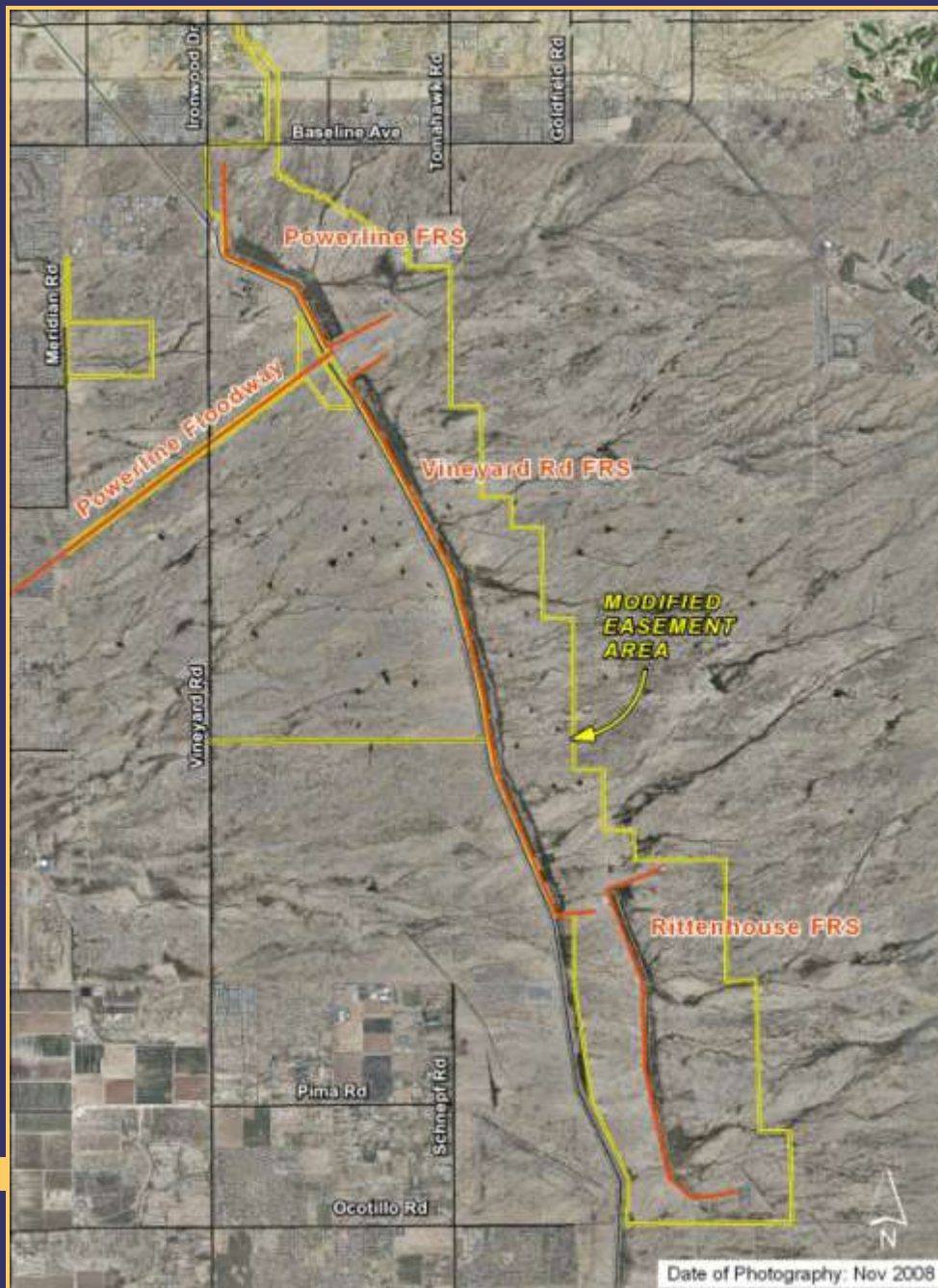
- Present Background Alternatives
- Present 5 Alternatives for further evaluation
- Obtain Public Comments and Input



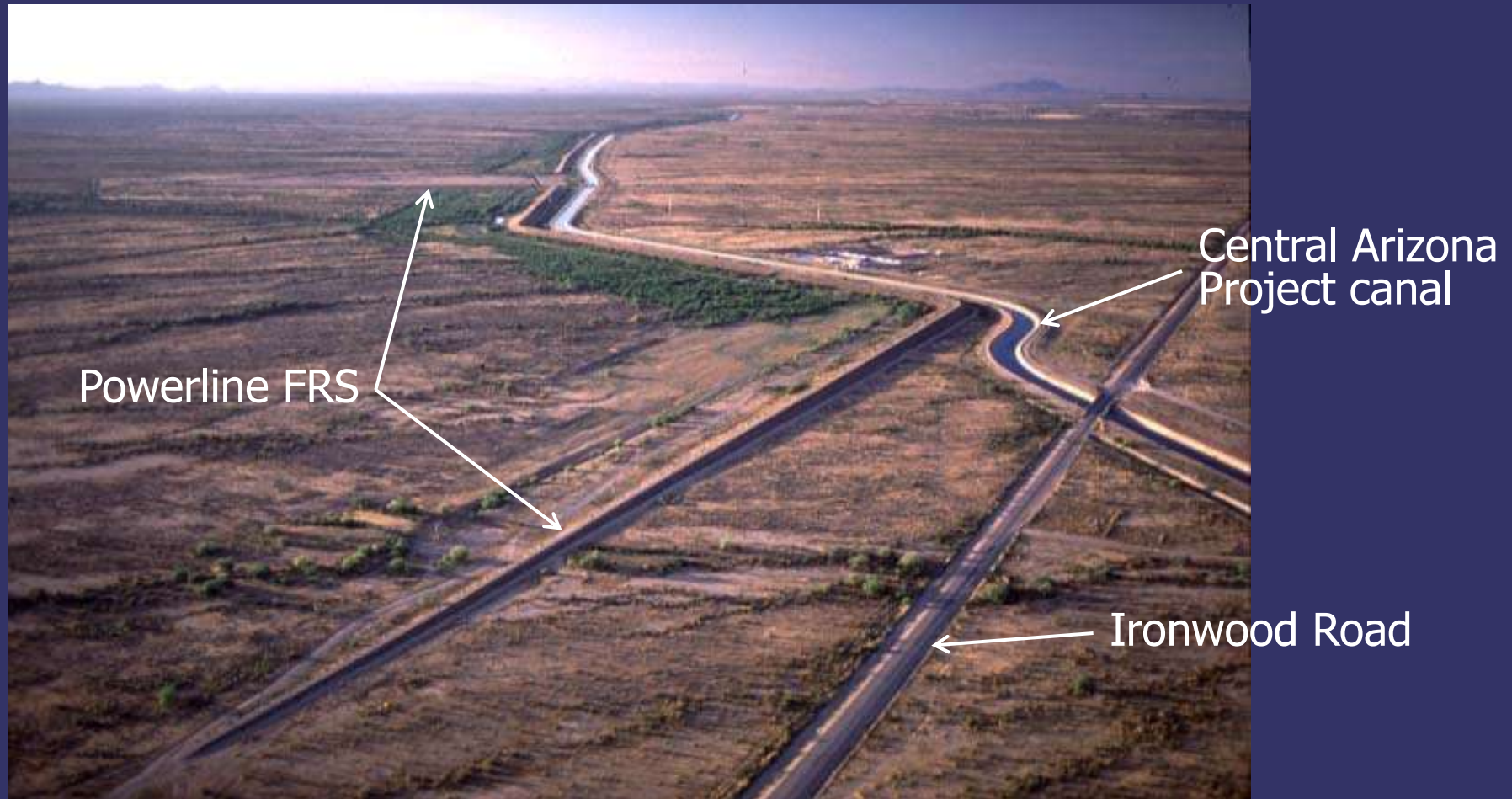
District Flood Control Dams



Project Area



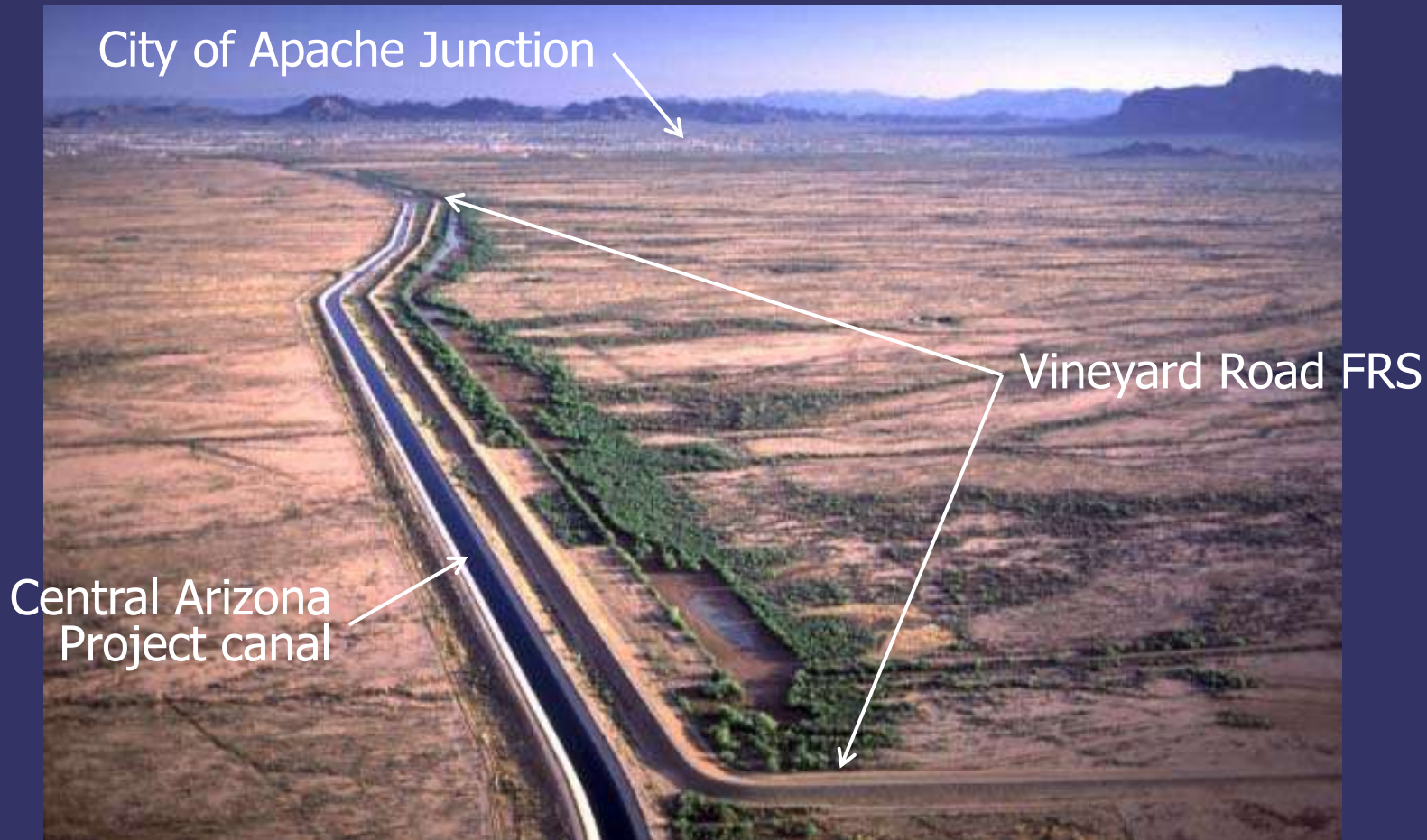
Powerline FRS



Looking Southeast



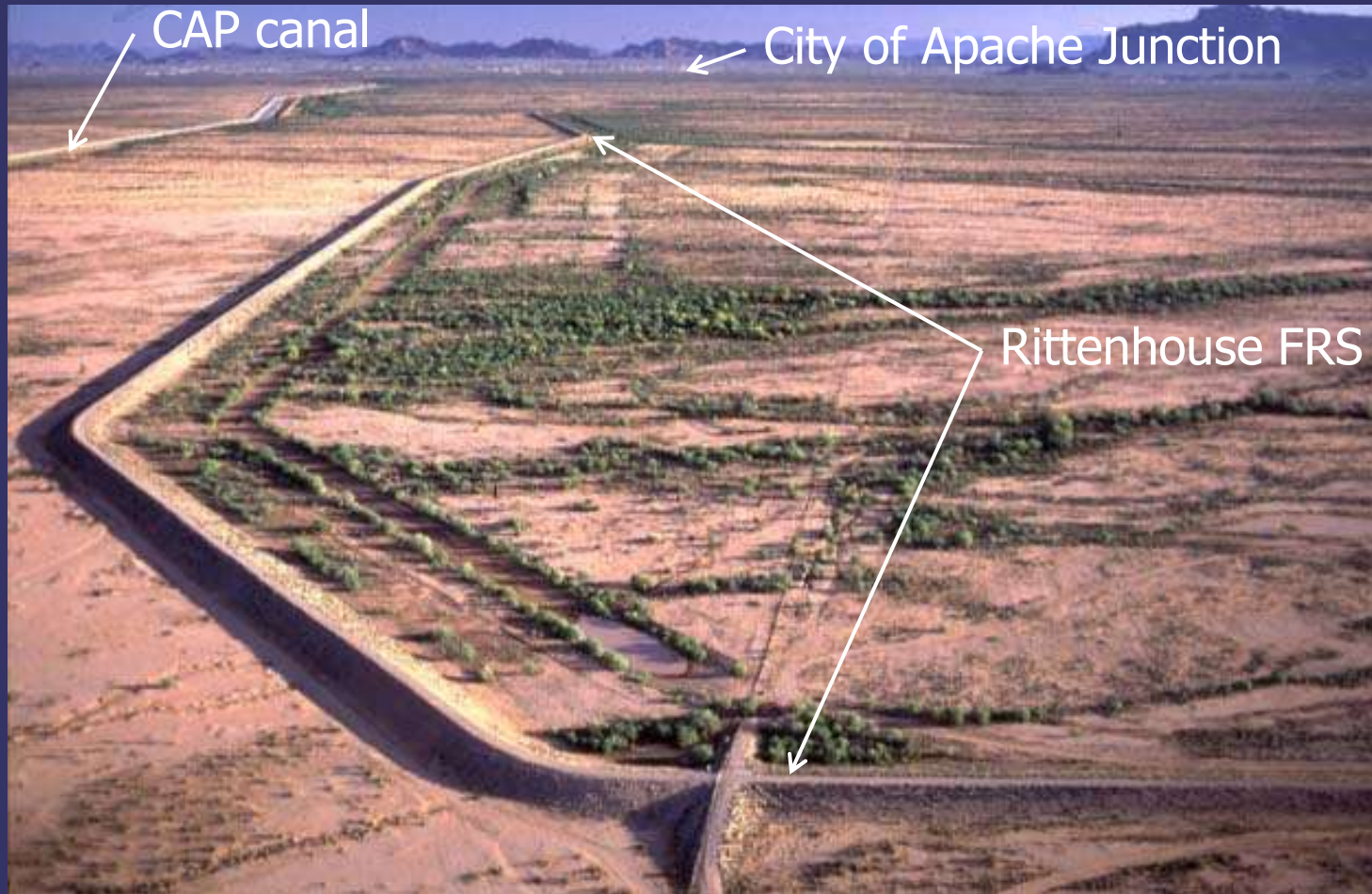
Vineyard Road FRS



Looking Northwest



Rittenhouse FRS



Looking Northwest

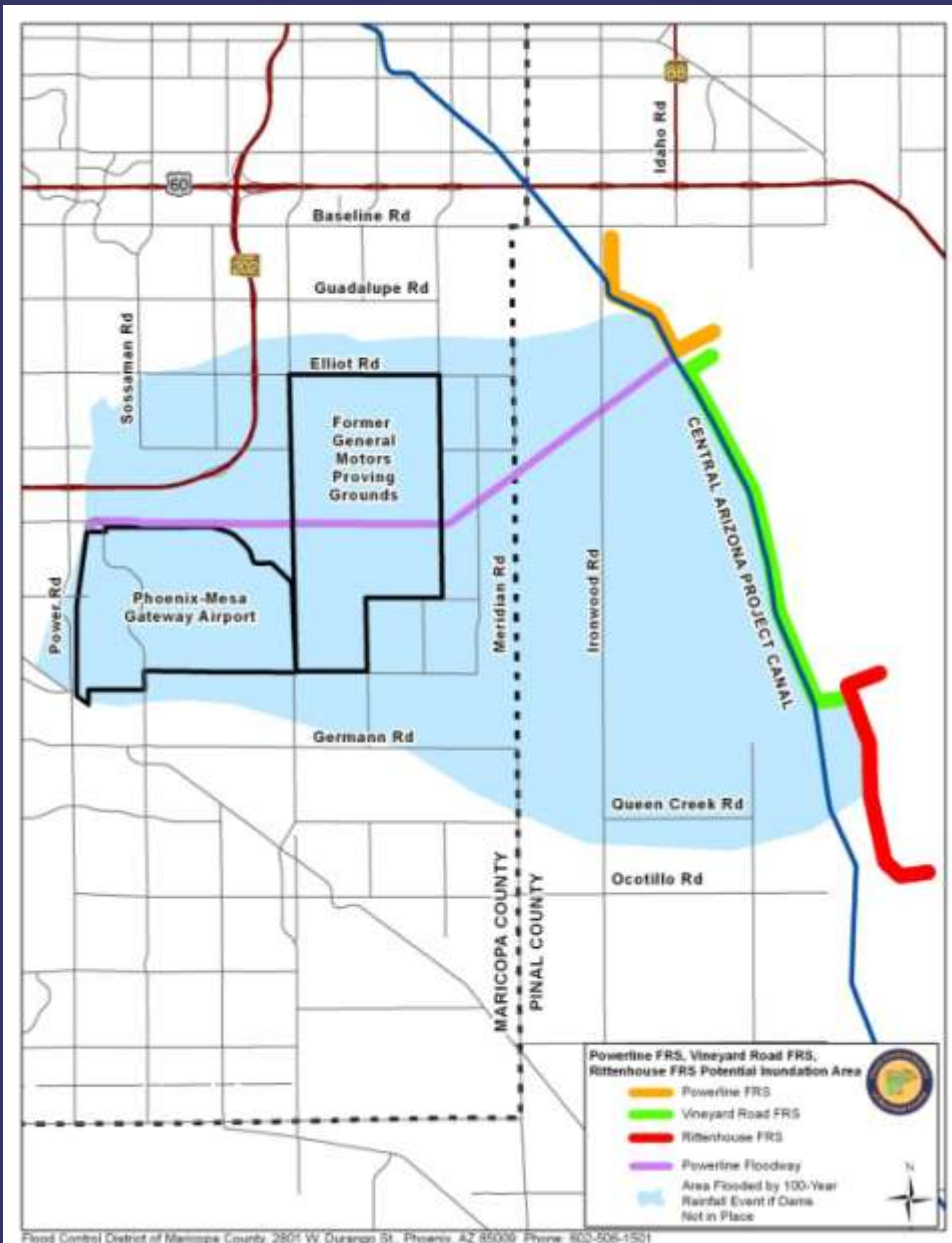


Powerline FRS, Vineyard Road FRS, Rittenhouse FRS (PVR)



October 20, 1972





Downstream Inundation Area



Public Outreach to Date

- Stakeholder Meeting No. 1 – August 26, 2010
- Consultant Alternatives Workshop – August 31, 2010
- Stakeholder Workshop – Sept. 13, 2010
- Public Meeting No. 1 – November 4, 2010
- Initial Alternatives Report – January 28, 2011
- Public Meeting No. 2 – February 1, 2011



Alternative Category Types

- Rehabilitation of Existing Dam
- Replacement of Existing Dam
 - New Dam
 - Detention Basins
 - Channels
 - Levees
- Combination Rehabilitation/Replacement
- Decommissioning



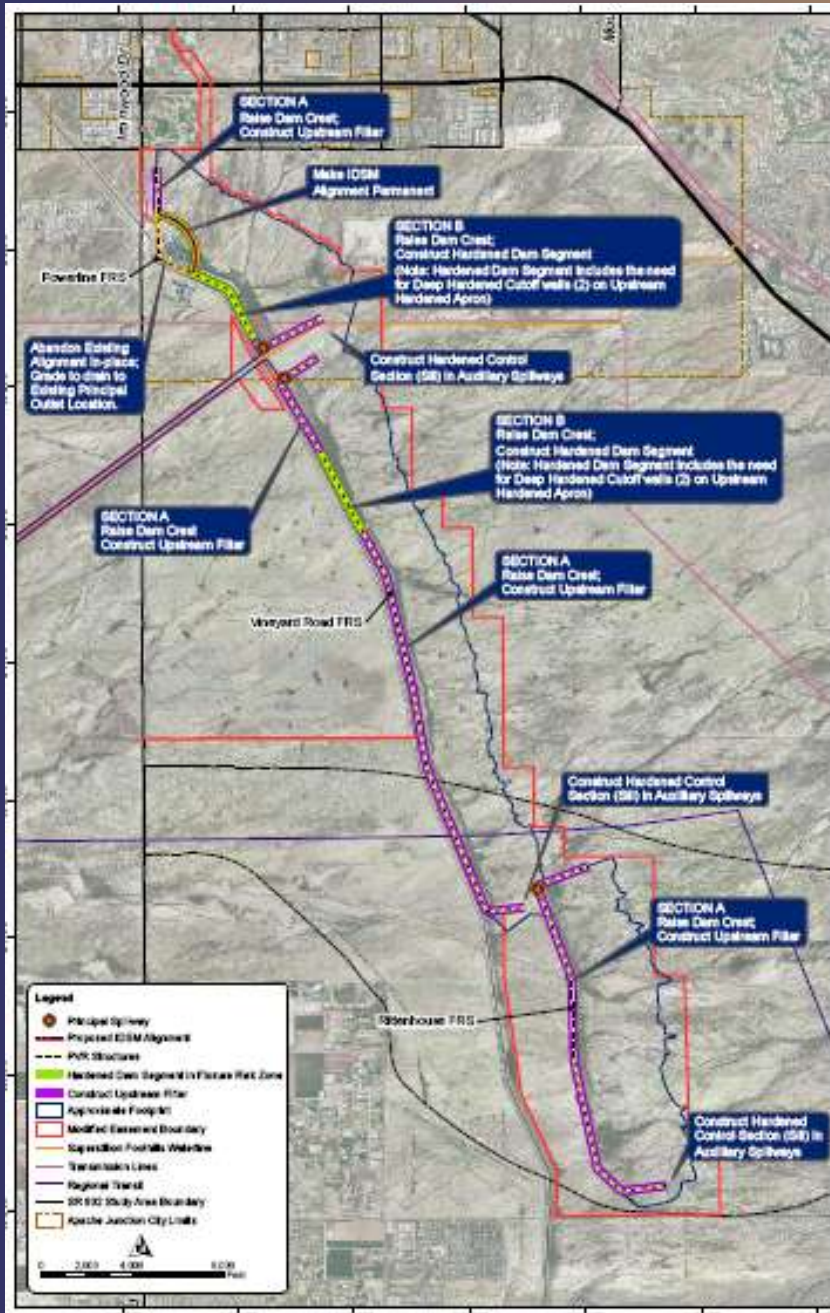
Evaluation Criteria

- Performance
- Structure Failure Risk
- Costs
- Land Footprint
- Environmental
- Landscape Aesthetics
- Social/Multi-Use Opportunities



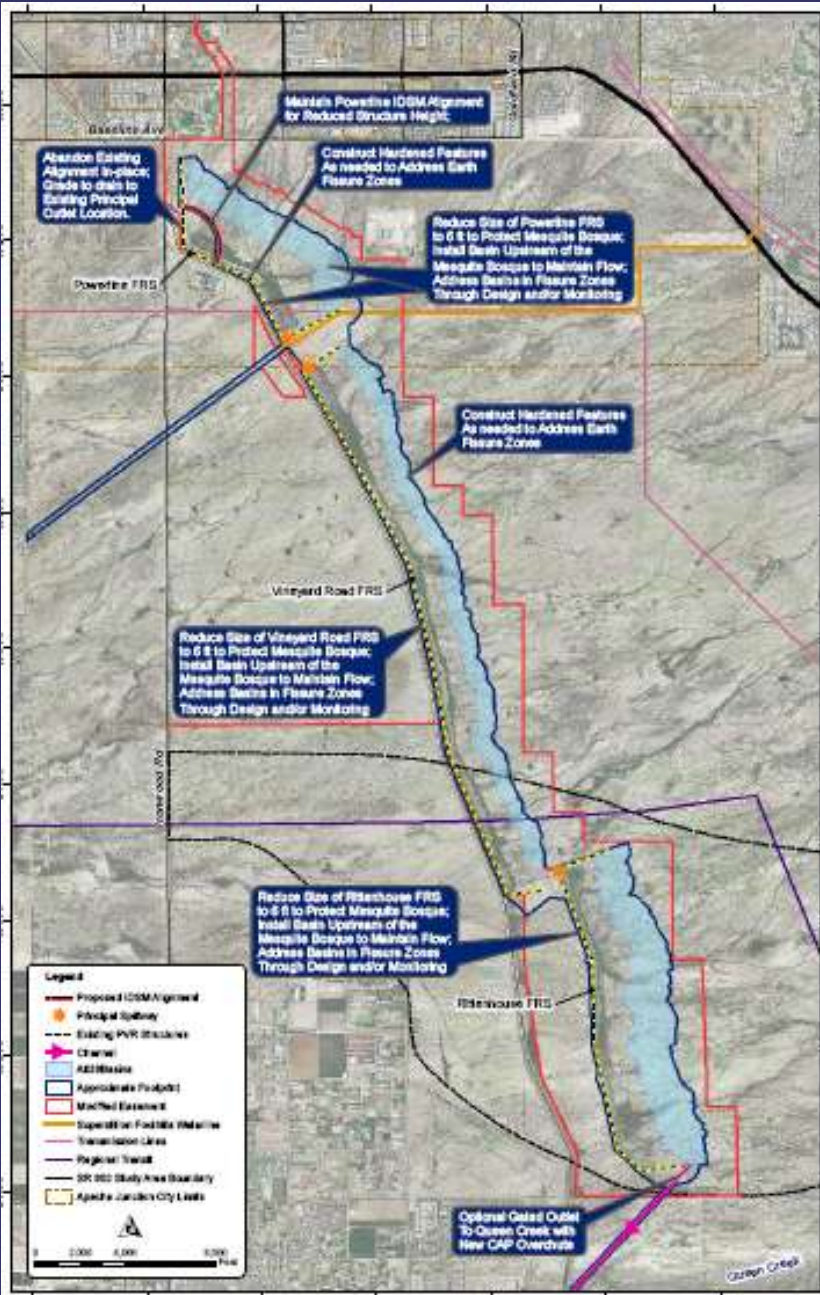
Alternative 1

- Rehabilitate 3 Dams
 - Raise Dams
 - Upstream Filter
 - New Principal Spillways
 - Modify Auxiliary Spillways
 - Landscape Treatments



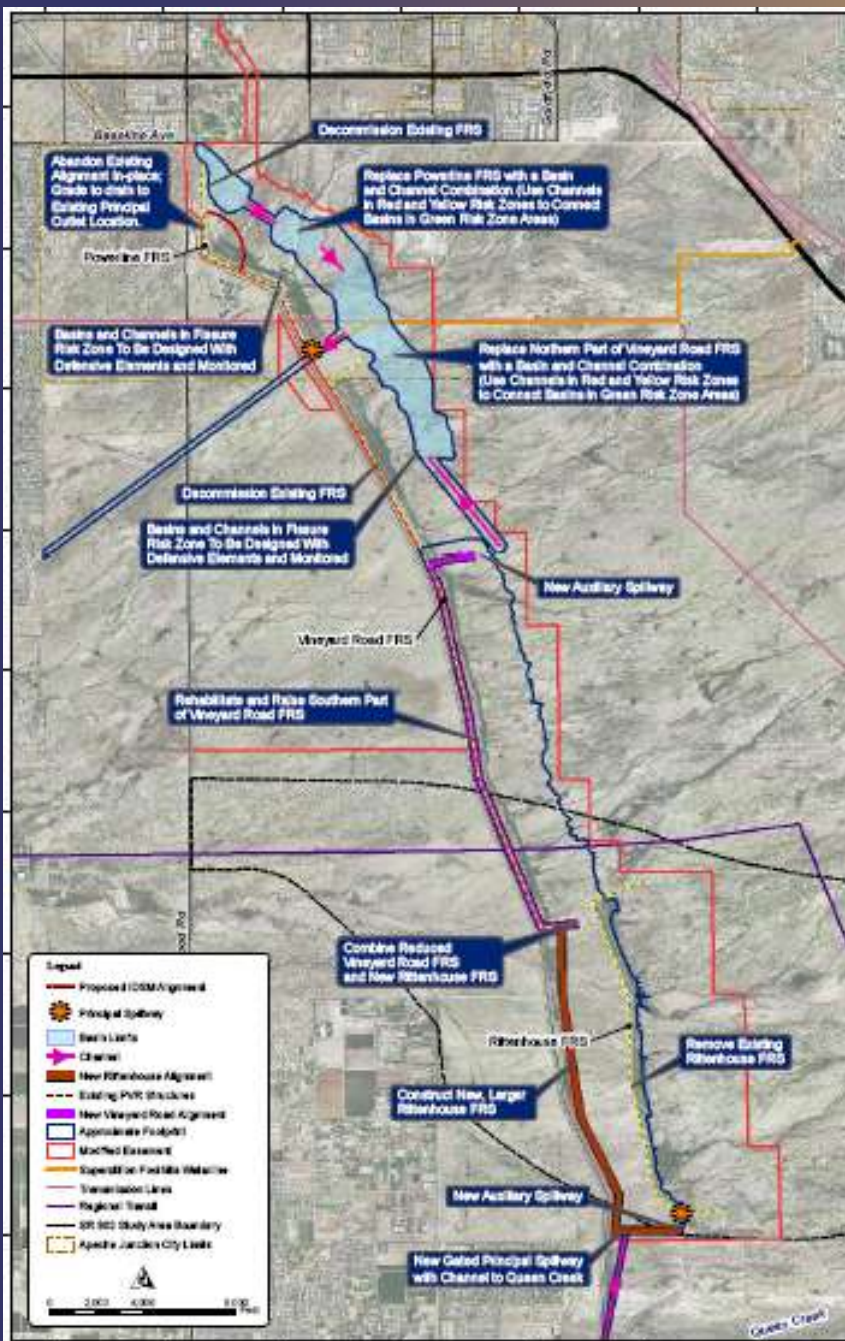
Alternative 2

- Convert Dams to Basins
 - Reduce Dams to 6 ft. Height
 - Excavate Basins
 - New Principal Spillways
 - New Auxiliary Spillways
 - Landscape Treatments



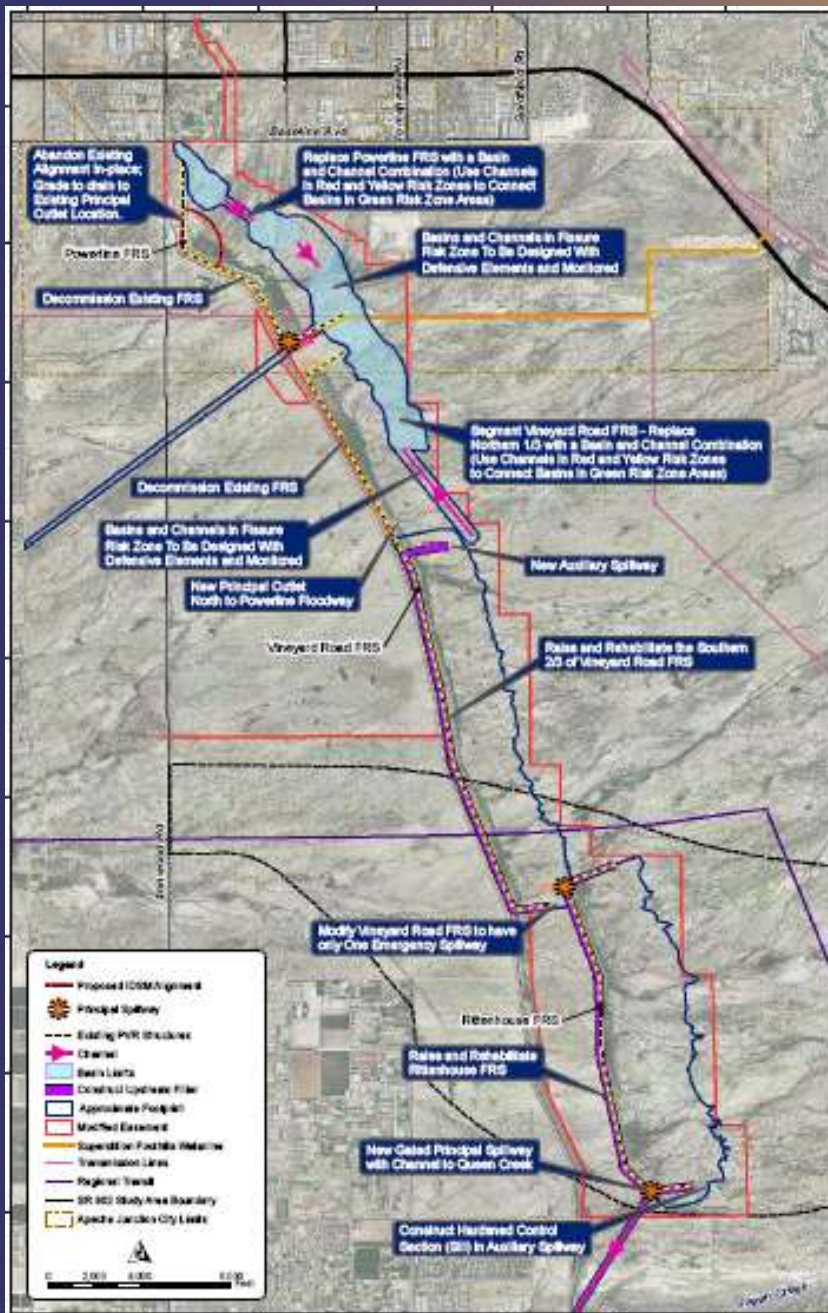
Alternative 5

- New Rittenhouse
- Basins and Channels for Powerline and portion of Vineyard
- Rehab Vineyard and Combine w/Rittenhouse
- New Outlet to Queen Creek



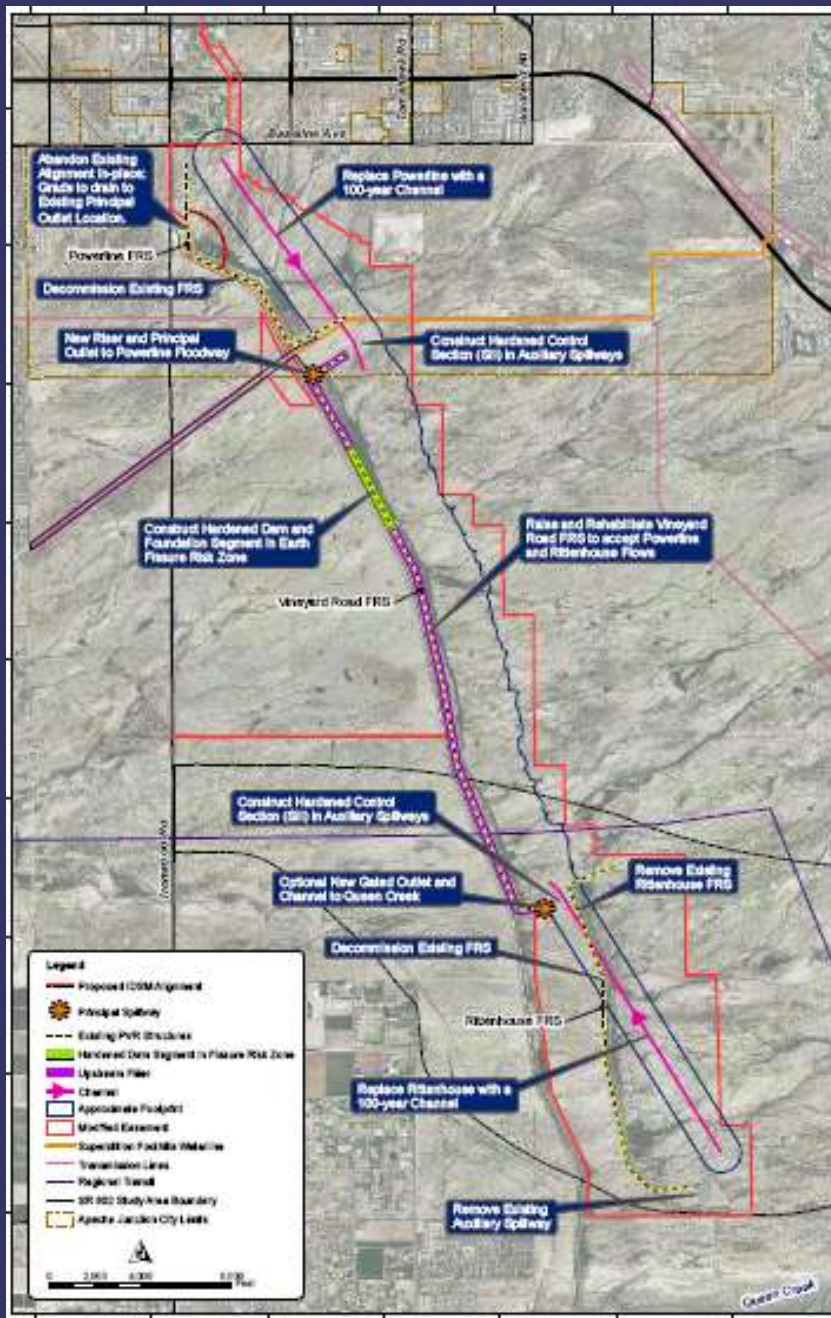
Alternative 6

- Rehab Rittenhouse
- Basins and Channels for Powerline and portion of Vineyard
- Rehab Vineyard and Combine w/Rittenhouse
- New Outlet to Queen Creek



Alternative 8

- Replace Powerline and Rittenhouse with Channels to Vineyard
- Raise and Rehab Vineyard



Next Steps

- Evaluate 5 Alternatives
- Select Recommended Alternative
- Public Involvement:
 - 3rd Public Meeting (May 2011)
 - Present Recommended Alternative





**Rehabilitation or Replacement of:
Powerline FRS
Vineyard Road FRS
Rittenhouse FRS**

Questions?